

Patent claims

1. An air flow regulating device having a housing (2) and a flap arrangement (1) with at least two flap parts (3) for opening and closing an opening which are pivotable about pivot axes (4) which run parallel to one another, characterized in that end regions (5) of the two flap parts (3) bear against one another in the closed state of the flap arrangement (1), and roll and/or slide on one another during a movement of at least one flap part from the closed state into a partially open state or vice versa.
2. The device as claimed in claim 1, characterized in that at least one of the two flap parts (3) is formed, at least in the bearing region, to be externally elastic.
3. The device as claimed in claim 1 or 2, characterized in that in the closed state, the two flap parts (3) are in planar contact.
4. The device as claimed in one of the preceding claims, characterized in that the two flap parts (3) have a streamlined profile.
5. The device as claimed in one of the preceding claims, characterized in that a stop (6) is provided on the housing (2) in the central region between the pivot axes on at least one side of the flap arrangement (1).
6. The device as claimed in one of the preceding claims, characterized in that one side stop (7) is provided on the housing (2) on each side of the flap arrangement (1).

7. The device as claimed in claims 5 and 6,
characterized in that the central stop (6) and the
two side stops (7) are arranged on mutually
opposing sides of the flap parts (3).
8. The device as claimed in one of the preceding
claims, characterized in that the flap parts (3)
have a coating of PP rubber or a foam injection-
molded encapsulation.
9. An air conditioning unit, in particular for motor
vehicles, characterized in that the air
conditioning unit contains a device as claimed in
one of claims 1 to 9.
10. The air conditioning unit as claimed in claim 9,
characterized in that the air conditioning unit
comprises at least one of the following
components: heat exchanger, radiator, evaporator,
filter, temperature mixing flap, mixing chamber,
one or more flow ducts and one or more control
flaps for distributing the air to the outlet
ducts.